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TITLE

NANOPARTICLE FRACTIONATION AND SIZE DETERMINATION ABSTRACT

A novel method for fractionating stabilized, water-soluble

nanoparticles based upon the size of the nanoparticles was discovered.

For stabilized, charged, water-soluble nanoparticles, the method comprises the addition of a substantially water-miscible organic solvent to an aqueous nanoparticle solution in the presence of an electrolyte.

Moreover, a method for determining the average particle size of stabilized, charged, water-soluble nanoparticles using gel electrophoresis was discovered.

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